

p85-86 12-29 p81 1

If 2 #s are odd, then their sum is even.

12. invalid $10+12=22$ (don't have to be odd)

13. valid

14. valid

15. invalid (sum is 8, even)

If 3 pts are noncollinear, then they determine a plane.

16. valid

17. invalid (they could be collinear)

18. invalid (must be 3 pts)

19. valid

20. no concl.

21. If the measure of an angle is less than 90, then it is not obtuse.

22. If X is the midpt of \overline{YZ} , then $\overline{YX} \cong \overline{XZ}$.

23. no concl.

24. yes Syllogism

25. yes Detachment

26. invalid (don't have to \cong)

27. yes Detachment

28. yes Detachment

29. invalid



p81

1. A calculator will run if and only if it has batteries.

Conditional: If a calculator runs, then it has batteries.

Converse: If a calculator has batteries, then it will run.

False - solar powered